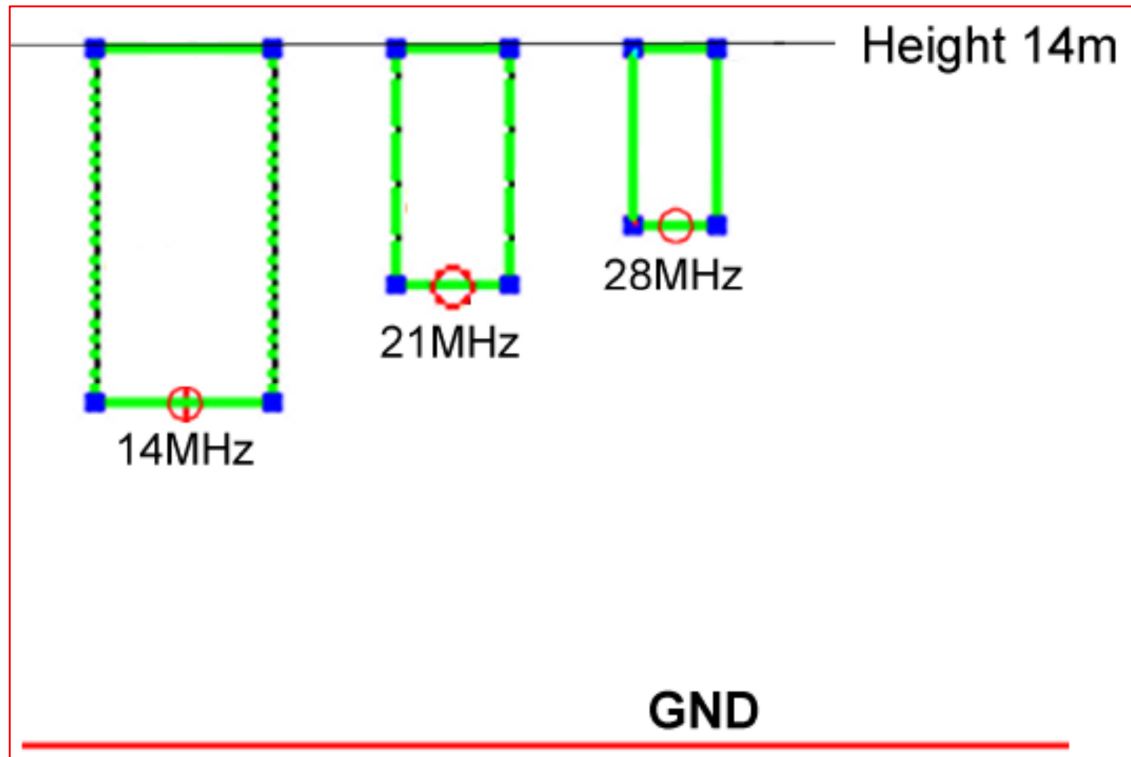


# OH7SV Door-frame loops for 20m, 15m and 10m

Update 2019-07-21



All loops are hanging at a height of 14m. Spacing between wires is 2 meters or more. Antenna impedance is 50 ohms. A 1:1 balun is recommended in the feeding point.

Wire: "Killu" 1mm Cu + 1mm PE insulator

Wire x, y and total lengths:

14.2MHz: x=3.50m, y=7.15m, total **21.30m**

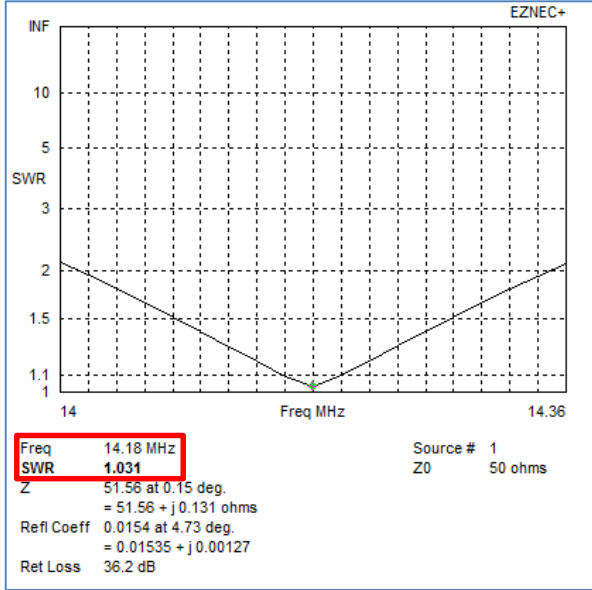
21.2MHz: x=2.33m, y=4.79m, total **14.24m**

28.4MHz: x=1.78m, Y=3.54m, total **10.64m**

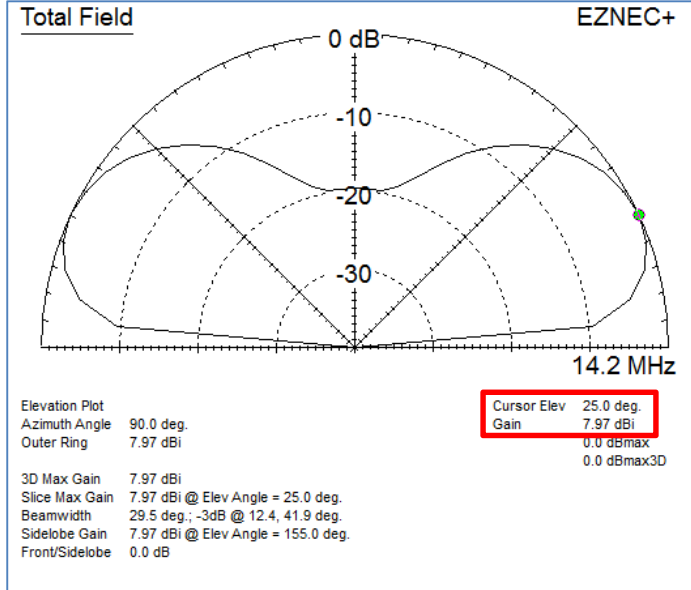
Note. If you are using a bare copper wire the lengths are abt 3% longer (multiply the lengths by 1.03).

# OH7SV Door-frame loops for 20m, 15m and 10m

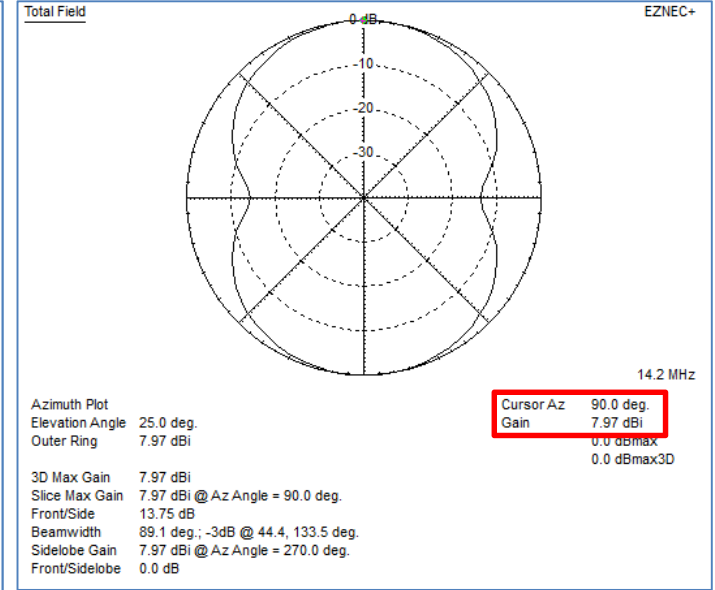
## 20 meter simulation



SWR

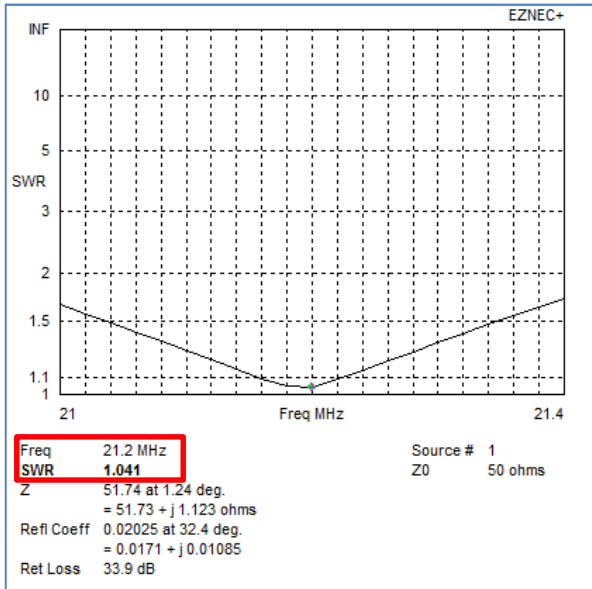


Elevation plot

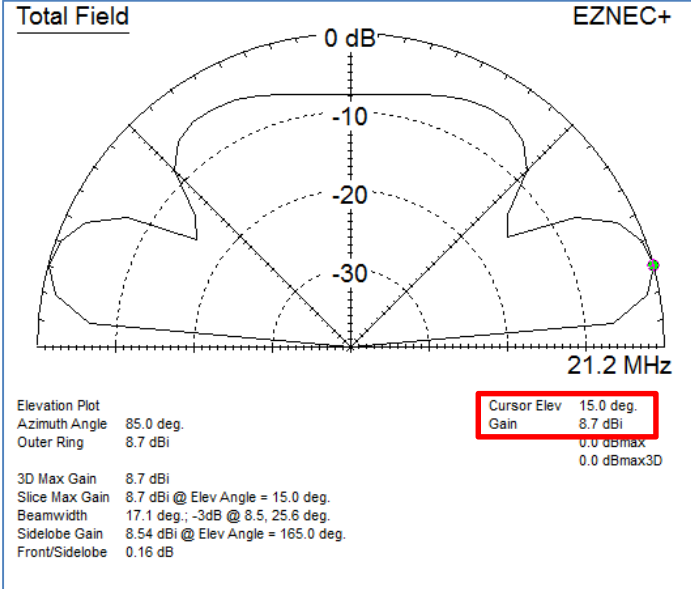


Azimuth plot

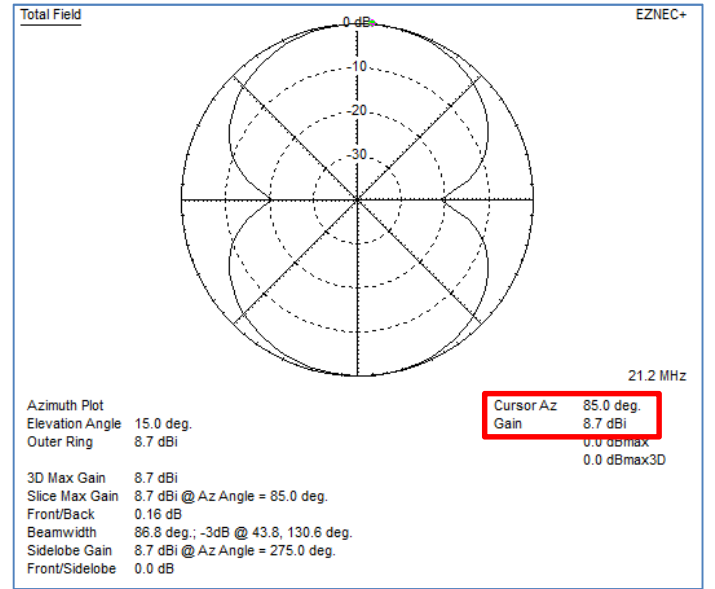
## 15 meter simulation



SWR



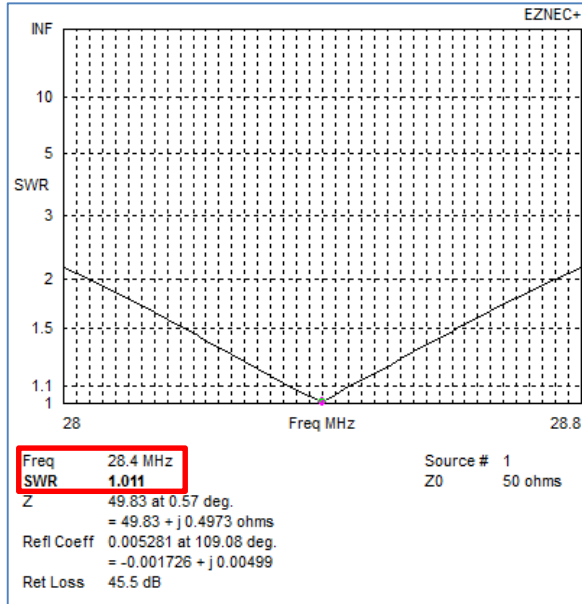
Elevation plot



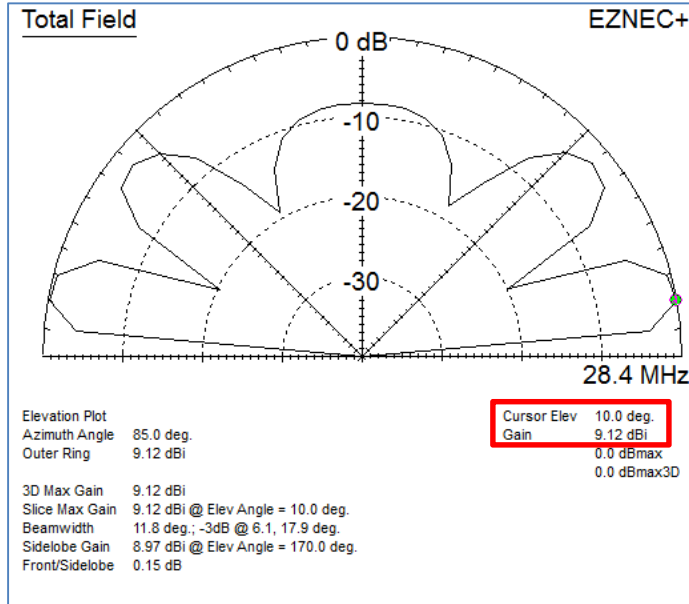
Azimuth plot

# OH7SV Door-frame loops for 20m, 15m and 10m

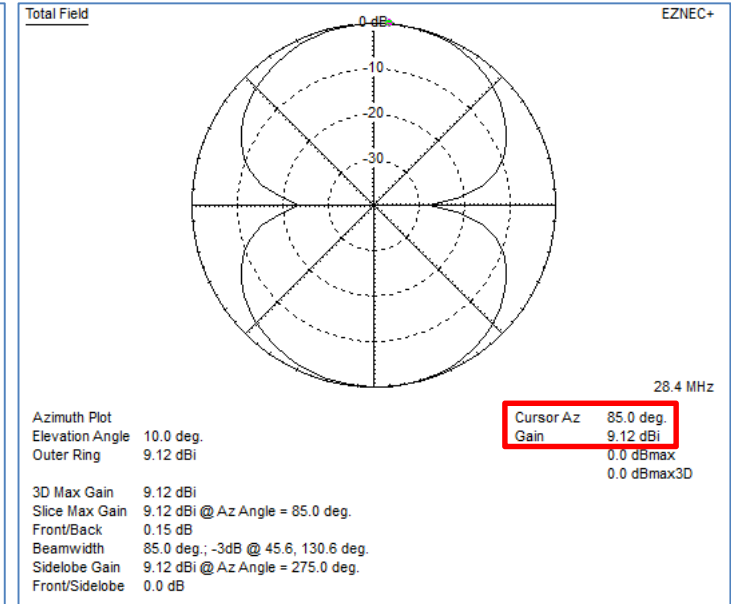
## 10m simulation



SWR



Elevation plot



Azimuth plot